

CLAIMS

1. Device constructed as a brush assembly consisting of
5 a rotating extension part with applied therein sweeper
bodies to mount on or underneath a so called weed mower and
similar devices for mainly cleaning and/or removing weed
between hard surface elements, in which the mentioned
extension part has the form of a cylindrical-shaped disc,
10 has a central mounting drill and weight saving recesses, in
which in the mentioned pick-up recesses a sweeper body is
mounted with a bush clamped on or pressed on, which bush is
provided with wire bundles or twisted steel wires, for
example, a piece of steel cable, characterized in that, the
15 mentioned extension part (1) is constructed as a
cylindrical disc with thickness H, diameter D, central
mounting drill and at least two spoke-shaped solid wide
strips (4), in which the segments lying in between have at
least a through and through recess, in which in mentioned
20 spoke-shaped solid wide strips positioned opposite from
each other with equal angles at the centre axis near the
circumference of the mentioned extension part (1),
triangular or polygonal at the corners rounded milled-out
not through and through recesses (5, 5¹) are introduced to
25 receive the corresponding also triangular or polygonal
shaped bushes or covers (15) with sweeper body (14), in
which locking of the mentioned bush or cover is done by
means of in an angle of the mentioned bush attached partly
cylindrical or segmental shaped recess (16) and a radial
30 bore (9) in the mentioned spoke-shaped solid wide strip (4)
provided with a spring-loaded blocking pin (10), in which
the mentioned extension part (1) is made of a material with

sufficient tensile strength and elastic modulus and the material is further well mechanically processable.

2. Device as claimed in claim 1, characterized in that, in the preferred embodiment of the extension part (1) the thickness H is approximately 22-28 mm and the diameter D
5 approximately 129 mm.

3. Device as claimed in claim 1, characterized in that, the mentioned spring-loaded blocking pin (10) is constructed of an axle or shaft with a part with a larger
10 diameter D1 and a part with a smaller diameter D2, in which the transition between them shows a conical peg shoulder, which in mounted locked position stops against a clamping pin or locking pin (11) and in which the axle part with diameter D1 has a central bore (13) to receive a pressure
15 spring (12), in which the radial bore (9) of the whole is applied from the outside, this and that in such a way that in use, due to the centrifugal force, mentioned spring-loaded blocking pin (10) with the mentioned peg-shoulder is thoroughly pressed against the mentioned clamping pin or
20 locking pin (11), so locking is optimally secured.

4. Device as claimed in claim 3, characterized in that, the mentioned diameter D1 is approximately 13 mm and length L1 approximately 16 mm and the mentioned diameter D2 approximately 9 mm and L2 approximately 18 mm.

25 5. Device as claimed in claims 1 and 4, characterized in that, the embodiment constructed as triangular shaped bushes or covers (15), being one of the preferred embodiments of the sweeper device, form an equilateral triangle, in which two angles have an equal radius of
30 curvature R1 and the third angle has a deviant radius of curvature R2, provided with the mentioned recess (16) with radius of curvature of approximately 6,5 mm matching with diameter D1 of 13 mm.

6. Device as claimed in claim 5, characterized in that, the mentioned radius of curvature R1 is approximately 8,65 mm and R2 approximately 10,15 mm.

7. Device as claimed in aforementioned claims,
5 characterized in that, the material of the mentioned cylindrical disc or extension part (1) and the mentioned bush or cover (15) of the sweeper body (6) is aluminium.

8. Device as claimed in claims 1-6, characterized in that, the material of the mentioned cylindrical disc or
10 extension part (1) is a strong well processable plastic, such as polypropylene and such.